

# ABSTRACT OF THE DISCLOSURE

Disclosed is a method of manufacturing a radial tire for a construction vehicle, wherein when a cylindrical band is formed by using one layer of carcass layer formed of steel cords in a band making step, a shape retaining layer formed of at least one layer of organic fiber cords is wrapped on the outer peripheral surface of the carcass layer so that the organic fiber cords cross the steel cords of the carcass layer. The radial tire having excellent uniformity without any uneven widening between the steel cords can be provided without using a shape retaining auxiliary apparatus.